

(43) International Publication Date 12 August 2004 (12.08.2004)

PCT

(10) International Publication Number WO 2004/066871 A2

(51) International Patent Classification7:

A61F

(21) International Application Number:

PCT/US2004/002214

(22) International Filing Date: 26 January 2004 (26.01.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/442,323

24 January 2003 (24.01.2003)

(71) Applicant (for all designated States except US): DO-HENY RETINA INSTITUTE [US/US]; 1450 San Pablo Street, DEI-3622, Los Angeles, CA 90033-3699 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HUMAYUN, Mark [US/US]; 2757 Sleepy Hollow Place, Glendale, CA 91206 (US). DE JUAN, Eugene [US/US]; 5222 Vista Lejana Lane, La Canada Flintridge, CA 91011 (US).

(74) Agents: DALEY, William, J., Jr. et al.; Edwards & Angell LLP, P.O. Box 55874, Boston, MA 02205 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: RESERVOIRS WITH SUBRETINAL CANNULA FOR SUBRETINAL DRUG DELIVERY

(57) Abstract: Featured are devices and methods for administering a therapeutic medium to the posterior segment of an eye including instilling or disposing the therapeutic medium sub-retinally. Such instillation is accomplished by providing a reservoir containing a therapeutic medium to which is fluidly coupled a cannula and inserting a portion of the cannula sub-retinally, whereby the therapeutic medium within the reservoir is coupled to and dispersed subretinally via the cannula.